International Association of Drilling Contractors

**ART Drilling Control Systems Cyber Security
Task Group Meeting**

22 January 2015

10:30 am – 12 pm

**IADC
10370 Richmond Ave., Suite 760
Houston, TX 77042**

Minutes

Agenda for the meeting:

1. Welcome and Introductions
2. Review of Antitrust Guidelines and Facility Orientation
3. USCG notice
4. OWASP - top 10 threats for DCS? Do we want to do anything with this?
5. Risk assessment standards and methods recommendation document - status and discussion
6. Standards analysis – status
7. Next meeting schedule and AOB

Minutes:

1. Welcome and short introduction of the participants – "round around table".

2. Meeting delegates was reminded of the IADC antitrust guidelines.

3. On December 12th, the Coast Guard published a notice in the Federal Register inviting the public to comment on cyber security risks to the Marine Transportation System at a public meeting. The meeting was held on January 15, 2015. Below is the video of this meeting:
http://youtube/rzOVc1ZOuvY
Summary of the notice:

- The Coast Guard is developing policy to help vessel and facility operators identify and address cyber-related vulnerabilities that could contribute to Transportation Security Incidents.
- Coast Guard regulations require certain vessel and facility operators to conduct security assessments, and to develop security plans that address vulnerabilities identified by the security assessment.
- The Coast Guard is seeking public input from the maritime industry and other interested parties on how to identify and mitigate potential vulnerabilities to cyber-dependent systems. The Coast Guard will consider these public comments in developing relevant guidance, which may include standards, guidelines, and best practices to protect maritime critical infrastructure.

More information can be found at: **http://www.uscg.mil/hq/cg5/cg544/cybersecurity.asp**.

4. OWASP - top 10 threats for DCS? Do we want to do anything with this? This has been a topic for discussion since last summer. The meeting discussed whether it would make sense to set up a list, perhaps not necessary a top 10 threat list, or make available information regarding various threats and attacks of relevance. This information could come from various sources, but it is important that the information published is publicly available (by reference or similar). The meeting decided to establish a top 10 threat list. This will be added to the action point list at the group meeting February 19.

5. An early draft version of the risk assessment standard and methods recommendation document, which was decided renamed by the meeting to: Guidelines for Risk Management and Assessment Methods to use for assessing Drilling Assets, was distributed to the task group prior to the meeting. The meeting went through the core structure and content of the document and agreed on a restructuring of the document to ease the readability and to make it easy to find the actual recommendations. Several delegates sent their input to the document and Siv will restructure the document accordingly, taking everybody's input into consideration. An updated draft document will be distributed to the task group prior to the next group meeting February 19.

6. The first complete iteration of the standards analysis (identification and evaluation of relevant standards for cybersecurity for DCS) has been completed. An extended version of the standards analysis can be found at:
http://securenok.com/content/download/147/1046/version/1/file/Guidebook%20Cybersecurity%20Drilling.pdf.

7. The next task group meeting is scheduled for February 19, 2015, @10:30am-12:00pm.

Action Points:

Note that we will set up a new AP list at the February group meeting, as we didn't have time at the January meeting.

AP no.	Description	Responsible	Deadline
01	List categories/parameters/attributes relevant for assessing cybersecurity risks of DCS from a business perspective and send the list to Siv.	Kent Hulick	Closed
02	List categories/parameters/attributes relevant for assessing cybersecurity risks of DCS from a HSE perspective and send the list to Siv.	Nathan Moralez	Closed
03	Distribute combined list of categories/parameters/attributes for assessing cybersecurity risks for DCS.	Siv Hilde Houmb	Closed (embedded in AP 04)
04	Identify and evaluate relevant risk assessment standards and methods.	Cris DeWitt, Matthew Romero, Siv Hilde Houmb	Closed
05	Prepare presentation of OWASP, including the procedure for identifying and updating the top-ten risks.	Siv Hilde Houmb	Closed
06	Prepare presentation of findings thus far for the standards analysis (overview of relevant standards for	Siv Hilde Houmb	Closed

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	DCS cybersecurity).		
07	Workshop program for IADC Drilling Control Systems Cybersecurity Workshop - October 9.	Siv Hilde Houmb (supported by Nathan Moralez, Trent Martin, Cris Dewitt, and Scott Maddox)	Closed

Attendance:

Name		Company Name
Marco	Ayala	**AE Solutions**
Jan-Tore	Ervik	**Marine Cybernetics/DNV-GL**
Ed	Gaude	**Cameron**
Christopher	Goetz	**Kingston Systems**
Siv Hilde	Houmb	**Secure-NOK**
Kent	Hulick	**National Oilwell Varco**
Trenton	Martin	**TRANSOCEAN**
Nathan	Moralez	**BP**
Tim	Mournian	**Archer Survey & Inspection**
Steven	Ronan	**Northwest Technical Solutions**
Robert	Rivenbark	**Diamond Offshore Drilling**
Gregory	Villano	**Diamond Offshore Drilling**
David	Wagner	**AWZ**
Richard	Wilson	**ABS**